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**BOILER PRO 104**

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**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** BOILER PRO 104  
**Common Name:** MIXTURE  
**SDS Number:** 1179  
**Revision Date:** 7/10/2015  
**Version:** 1  
**Internal ID:** 310C  
**Product Use:** WATER TREATMENT  
**Supplier Details:** U. S. Water Services  
12270 43rd St. NE  
St. Michael, MN 55376

**Contact:** Non-emergency #: 866-663-7632  
**Email:** SDS@uswaterservices.com  
**Web:** www.uswaterservices.com

**EMERGENCY RESPONSE: (ChemTel)**  
**US & Canada: 800-255-3924**  
**International: +01-813-248-0585**

**2 HAZARDS IDENTIFICATION****Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Acute toxicity, 4 Dermal  
Health, Acute toxicity, 4 Inhalation  
Health, Skin corrosion/irritation, 2

**GHS Label elements, including precautionary statements**

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**

**GHS Hazard Statements:**

H319 - Causes serious eye irritation  
H312 - Harmful in contact with skin  
H332 - Harmful if inhaled  
H315 - Causes skin irritation

**GHS Precautionary Statements:**

P264 - Wash skin and contaminated clothing thoroughly after handling.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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P302+352 - IF ON SKIN: Wash with soap and water.  
P332+313 - If skin irritation occurs: Get medical advice/attention.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P362 - Take off contaminated clothing and wash before reuse.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, Get medical advice/attention.  
P501 - Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

**3 COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

Cas#	%	Chemical Name
3710-84-7	45-50%	Ethanamine, N-ethyl-N-hydroxy-

**4 FIRST AID MEASURES**

**Inhalation:** Remove from contamination. If person has stopped breathing give artificial respiration. Seek medical attention.

**Skin Contact:** Wash off with plenty of soap and water. Remove contaminated garments and wash or destroy. Consult a physician if irritation persists.

**Eye Contact:** Flush eyes with plenty of running water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. If conscious, rinse mouth then give large quantities of water. Seek medical attention.

**Most important symptoms & effects (acute & delayed):**

**Indication of need for immediate medical attention:** No data available

**Special treatment needs:** No data available

**5 FIRE FIGHTING MEASURES**

**Flash Point:** None

**Burning Rate:** Not applicable

**Autoignition Temp:** Not available

**LEL:** Not available

**UEL:** Not available

**Extinguishing Media:**

**Suitable:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable:** No information available

**Hazardous combustion products:** Thermal decomposition and burning may produce oxides of sulfur.

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**Unusual Fire or Explosion Hazards:** Solid product. Product will melt and combustion may occur when exposed to fire.

**Special protective equipment/precautions:** Wear self-contained breathing apparatus

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective equipment, emergency procedures:** Avoid contact with the material. See section 8 of SDS for PPE recommendations

**Environmental Precautions:** Keep runoff from entering drains or waterways

**Spill/Leak procedures:** Contain spill or leak. Spilled material is very slippery when wet. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

**Regulatory Requirements:** Dispose of recovered material in accordance with all applicable state and federal regulations.

**7 HANDLING AND STORAGE**

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. To avoid product degradation, and equipment corrosion, do not use iron, copper or aluminum containers or equipment. For industrial use only!

**Storage Requirements:** Keep away from children. Store in closed containers away from temperature extremes and incompatible materials. Store in a dry, well ventilated area. Keep containers tightly closed, and properly labeled. Store in accordance with all local, state and federal guidelines

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Provide local exhaust ventilation as needed to control misting.

**Personal Protective Equipment:** HMIS PP, C | Safety Glasses, Gloves, Apron

Respiratory protection: If exposure levels are exceeded a respirator must be used. If needed use a MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

**Exposure Limits:**

OSHA (TWA)/PEL): Not Established

ACGIH (TWA/TLV): Not Established

**BOILER PRO 104****9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White	<b>Odor:</b>	Ammonical
<b>Physical State:</b>	Solid	<b>Solubility:</b>	Complete over time in water
<b>Odor Threshold:</b>	Not determined	<b>Percent Volatile:</b>	Not determined
<b>Spec Grav./Density:</b>	Not determined	<b>Freezing/Melting Pt.:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>Flash Point:</b>	Not determined
<b>Boiling Point:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Partition Coefficient:</b>	Not determined	<b>Auto-Ignition Temp:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined	<b>UFL/LFL:</b>	Not determined
<b>pH:</b>	~10 @ 4%		
<b>Evap. Rate:</b>	Not determined		
<b>Decomp Temp:</b>	Not determined		

**10 STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Product is stable under normal storage and use conditions.
<b>Conditions to Avoid:</b>	Avoid temperature extremes. Keep container closed when not in use.
<b>Materials to Avoid:</b>	Reactive or incompatible with the following materials: oxidizing materials, acids, copper, zinc.
<b>Hazardous Decomposition:</b>	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, amines.
<b>Hazardous Polymerization:</b>	Will not occur.

**11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** No data available  
**Skin Corrosion/Irritation:** No data available  
**Serious eye damage/irritation:** No data available  
**Respiratory or skin sensitization:** No data available  
**Specific target organ toxicity (single exposure):** No data available  
**Specific target organ toxicity (repeated exposure):** No data available  
**Aspiration hazard:** No data available  
**Carcinogenicity:** No carcinogenic effects are known for the components of this product  
**Germ Cell Mutagenicity:** No mutagenic effects are known for the components of this product  
**Teratogenicity:** No teratogenic effects are known for the components of this product

**12 ECOLOGICAL INFORMATION**

**Aquatic Toxicity** No data available  
**Elimination** (persistence & degradability): No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** No data available

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**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

**14 TRANSPORT INFORMATION**

**Proper Shipping Name:** Non-regulated

DOT Transportation data (49 CFR 172.101)

**15 REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

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Ethanamine, N-ethyl-N-hydroxy- (3710-84-7) [45-50%] TSCA

Regulatory CODE Descriptions

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TSCA = Toxic Substances Control Act

**EPA / CERCLA / SARA TITLE III:**

**CERCLA List:** This product does not contain any CERCLA listed hazardous substances.

**Toxic Chemical List (SARA 313):** This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

**Extremely Hazardous Substance (SARA 302/304):** This product does not contain any extremely hazardous substances subject to emergency planning requirements.

**SARA 312:** Acute

**RCRA:** No data available

**California Proposition 65:** This product does not contain any proposition 65 chemicals.

**TSCA:** All components of this product are listed (or are not required to be listed) in the TSCA inventory

**BOILER PRO 104****16****OTHER INFORMATION**

HMIS III: Health = 3, Fire = 1, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS		
HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	C

**Author:** U.S. Water Services**Revision Notes:** Updated to GHS format**Disclaimer:**

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